To: Members of Center for Power Systems Studies  
Associate Members of Power Systems Studies  
All those in attendance at meeting 

We are now at the close the Center for Power Systems Studies’ 42\textsuperscript{nd} year of operation. The following is a summary of the last several months of activity within the department of Electrical Engineering and Computer Science that is related to the CPSS.

I. Spring 2010 Power-Faculty Course Update  
   a. EE434/434L (3+1 cr) \textit{Power Systems Analysis}, 6 students  
   b. EE315 (3 cr) \textit{Linear Controls}, 19 students  
   c. EE221/EE221L (3 +1 cr) \textit{Circuits II}, 31 students (spring of 2009 we had 18)  

II. Fall 2010 Power-Faculty Course Plans  
   a. EE430/430L (3+1 cr) \textit{Electromechanical Systems and Lab}  
   b. Other – TBD (possibly Power Electronics)  

III. Other Activities During Spring Semester  
   a. Serve on the board for the SDEC  
   b. Reviewed papers for IEEE-REPC and IEE  
   c. Advisor to one MS graduate student in the design of a Permanent Magnet AC Motor Drive  
   d. Undergraduate program coordinator for electrical engineering  
   e. Chairing the EE Curriculum Committee  
   f. Selected for training as an ABET Program Evaluator  
   g. Paper accepted to IEEE-PES Summer Meeting, Minneapolis (July) -- Madhab Paudel and Steve Hietpas, \textit{A Fault Location Algorithm Based on Distributed Neutral-to-Ground Current Sensor Measurement}  
   h. CPSS Supported IEEE student tour Black Hills Power
IV. Scholarship Activity – Power Company Sponsored Scholarships

Recipients for 2010-2011 Academic Year

The EE Program awarded $36,050 in scholarships (previous year was $42,250)

Of this total, 51% ($18,400) are a direct result of the power community sponsorship.

The Center for Power Systems Studies Scholarship

   Kevin Bullis

CPSS General Scholarships

   Neil Albares
   Wesley Davis
   Sean Hughes
   Ryan Kleinjan
   Cory Kostboth
   Bradley Seely
   Jake Swensen
   Alexander Richter

Bradley D. Schultz Power Engineering Scholarship

   John Langholz
   Jared Onnen
   Bradley Seely
   Drew Waltner

DeWild Grant Reckert & Associates Scholarship

   LJ Dudley

East River Electric Power Cooperative Scholarship in Honor of Virgil Hanlon

   Ryan Kleinjan
   Alexander Richter

Heartland Consumers Power District Scholarship (COE)

   Ryan Kleinjan

Interstates Electric & Engineering Scholarship

   Karl Vanderlugt

Jeffrey L. & Trudiann Nelson Scholarship

   Cody Determan

John G. Kappenman Scholarship

   Benjamin Jasinski

Otter Tail Power Company Scholarship (COE)

   Mark Mathews
   William Sorenson
   Zach Sanderson

Xcel Energy Services Scholarship (COE)

   Neil Albares
V. Status of Power Students
   a. Power Graduates Update

<table>
<thead>
<tr>
<th>Student</th>
<th>Graduation Semester</th>
<th>Place of Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kirby Wicks</td>
<td>Spring 2009</td>
<td>NorthWestern Energy, Huron, SD</td>
</tr>
<tr>
<td>Derrick Galinat</td>
<td>Spring 2010</td>
<td>Still Seeking</td>
</tr>
<tr>
<td>Steven Cozine</td>
<td>Spring 2010</td>
<td>Northern Plains Power Technology, Brookings, SD</td>
</tr>
<tr>
<td>Ryan Schneider</td>
<td>Spring 2010</td>
<td>Charles Mix Electric</td>
</tr>
</tbody>
</table>

9 students are scheduled to graduate spring 2010

b. Summer Positions, Engineering Internships, or Cooperatives

<table>
<thead>
<tr>
<th>Student</th>
<th>Summer Place of Employment</th>
<th>Expected Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ben Pierson</td>
<td>Sioux Valley Energy</td>
<td>Fall 2010</td>
</tr>
<tr>
<td>Wes Pfaff</td>
<td>Daktronics</td>
<td>Fall 2010</td>
</tr>
<tr>
<td>Justin Bierschbach</td>
<td>DOT-Intelligent Transp. Systems Research</td>
<td>Fall 2010</td>
</tr>
<tr>
<td>Kevin Bullis</td>
<td>Raven</td>
<td>Spring 2011</td>
</tr>
<tr>
<td>Neil Albares</td>
<td>Excel Energy, Monticello Nuclear Plant</td>
<td>Spring 2011</td>
</tr>
<tr>
<td>Alex Richter</td>
<td>Cooper Power Systems, Minneapolis</td>
<td>Spring 2011</td>
</tr>
<tr>
<td>Bradley Seely</td>
<td>WAPA, Bismarck</td>
<td>Spring 2011</td>
</tr>
<tr>
<td>Matt Bult</td>
<td>SDSU – ME Dept. Wind power</td>
<td>Spring 2012</td>
</tr>
<tr>
<td>Wesley Davis</td>
<td>Daktronics (did seek power internship)</td>
<td>Spring 2012</td>
</tr>
<tr>
<td>Sean Hughes</td>
<td>Daktronics</td>
<td>Fall 2013</td>
</tr>
<tr>
<td>Ryan Kleinjan</td>
<td>uncertain</td>
<td>Spring 2013</td>
</tr>
<tr>
<td>Jake Swensen</td>
<td>Daktronics</td>
<td>Spring 2013</td>
</tr>
</tbody>
</table>
VI. Summer Activity
   a. Supervise one MS student who will finish mid-summer
   b. Supervise two new MS students
   c. Assist in supervising five MS students formally under Dr. Ropp
   d. Undergraduate EE Program Coordinator (May-June)
   e. Work on the Alternative Power Technology project – controls (May-August)
   f. Continue preparations for 2010 Biannual CPSS South Dakota Regional Power Conference
   g. Attend ABET-PEV Training (June)
   h. Attend ASEE Conference (June)
   i. Attend IEEE-PES Meeting (July)

Respectfully submitted,

Steven M. Hietpas, Ph.D., P.E.
Coordinator, Center for Power Systems Studies
Professor of Electrical Engineering